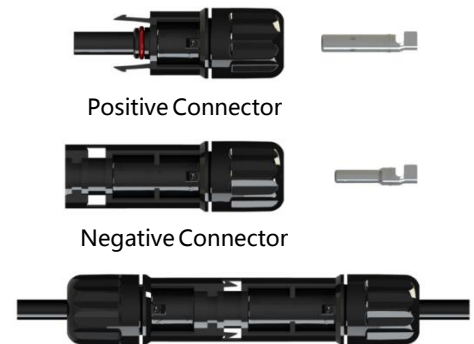


Trina Solar TS4 Connector Datasheet

TS4 Connector Features

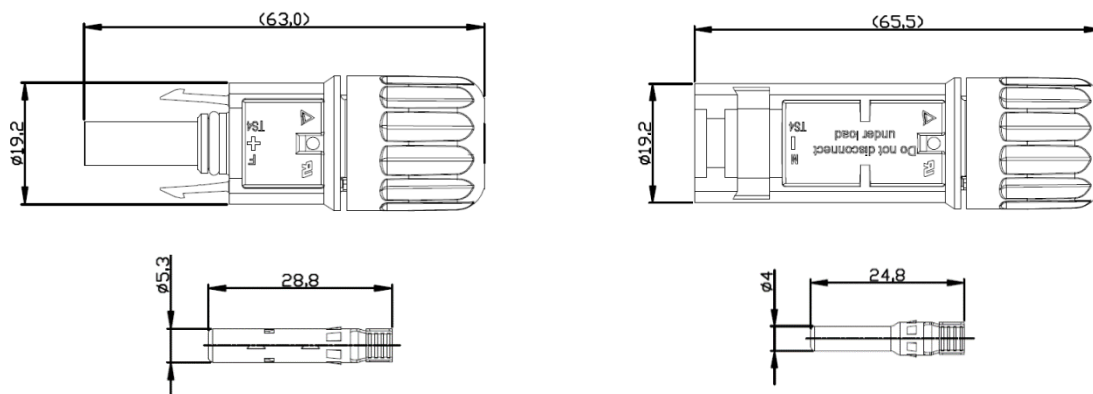
- Uses high quality materials that guarantee long-term reliability
- Lower contact resistance and higher current transfer capability ensure high product efficiency
- TS4 connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C



TS4 Connector Specifications

Rated voltage	IEC 1500V & UL 1500V
Rated current @IEC (85°C)	41A (4.0mm ² / 12AWG) 46A (6.0mm ² / 10AWG) 55A (10.0mm ² / 8AWG)
Rated impulse voltage	16KV
Ambient temperature range	-40°C~+85°C
Contact resistance	≤0.5mΩ
Application degree	Class A
Protection class	Class II
Pollution degree	2
Degree of protection	IP68 (1m , 1h) , mated IP2X , unmated
Flame class	UL94-V0
Insulation material	m-PPE/PA
Contact material	Copper, Tin-plated
Type of termination	Crimping
Locking system (UL)	Locking type
TUV, IEC62852	R50401767
UL, UL6703	E486009

Specification Drawing(mm)



Product Selection Form

Product	Part#	Cable OD	Conductor Cross Section	
		mm	mm ²	AWG
TS4-F1	7A000986	4.7-6.0	4.0/6.0	12/10
TS4-M1	7A000987			
TS4-F2	7A000982	5.6-6.8		
TS4-M2	7A000983			
TS4-F3	7A000988	6.0-6.6		
TS4-M3	7A000989			
TS4-F4	7A000984	6.0-7.2		
TS4-M4	7A000985			
TS4-F5	7A000992	7.2-8.7	10.0	8
TS4-M5	7A000981			
TS4-F6	7A000990			
TS4-M6	7A000991			

TS4 Models for NA Region Shipments

Toolkit

TOOL	QTY.
Strip Clamp	1 pc
Rivet Clamp	1 pc
Plastic Unlocking Spanner	2 pcs

